



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁵ : H04N 7/12		A1	(11) International Publication Number: WO 93/07713
			(43) International Publication Date: 15 April 1993 (15.04.93)
(21) International Application Number: PCT/US92/08316		(72) Inventor; and (75) Inventor/Applicant (for US only) : REMILLARD, Roger [US/US]; 8016 N. Floral, Skokie, IL 60077 (US).	
(22) International Filing Date: 30 September 1992 (30.09.92)		(74) Agents: WOODS, Michael, E.; Townsend and Townsend, Steuart Street Tower, 20th Floor, San Francisco, CA 94105 (US) et al.	
(30) Priority data: 770,520 3 October 1991 (03.10.91) US		(81) Designated States: AT, AU, BB, BG, BR, CA, CH, CS, DE (Utility model), DK, ES, FI, GB, HU, JP, KR, LK, LU, MG, MN, MW, NL, NO, PL, RO, RU, SD, SE, US, European patent (AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, SN, TD, TG).	
(60) Parent Application or Grant (63) Related by Continuation US 770,520 (CIP) Filed on 3 October 1991 (03.10.91)		Published <i>With international search report.</i> <i>Before the expiration of the time limit for amending the</i> <i>claims and to be republished in the event of the receipt of</i> <i>amendments.</i>	
(71) Applicant (for all designated States except US): VISCORP [US/US]; 2728 N. Hampden Court, Suite #205, Chicago, IL 60614 (US).			

(54) Title: APPARATUS AND METHOD FOR ELECTRONIC DEVICE FOR INFORMATION SERVICES

(57) Abstract

An electronic device (20) and method for accessing remote electronic facilities (30) and displaying associate information on a conventional television set (50). The electronic device (20) self-configures itself upon power-up or reset by initiating a data call to a configuring facility (30). Information related to available facilities and programming, autonomous mail checking is downloaded to the electronic device (20). The electronic device (20) displays a menu including several user selectable facilities. The user chooses one of the options from the menu by use of a remote keypad control (52). The options available include printing, electronic mail, news and information services. Interfacing the electronic device (20) with a stylus-type pointing device (54) permits sketching and drawing on the television (50), including superposition of images on captured television images. Captured images of graphics or text are optionally stored or forwarded to a user through a mail facility accessed through operation of the system. The captured images may subsequently be sent via facsimile transmission to other facsimile transmission machines or receivers. The electronic device (20) includes a speaker phone (136) for providing audio information received over telephones to the television (50) speaker.

